

PLEASE DO NOT SEPARATE FORMS

Generator's copy will be
mailed back after NWES review

WPQ 21921

P.T.

P.O. Box 24443, Seattle, Washington 98124 (206) 622-1090

Generator U.S. EPA ID WA 0980738546		Sample Number 890919-G3	
Generator Name ALAL25 Alaskan Copper Works		Billing Address	
Facility Address 628 South Hanford			
Seattle, WA 98124			
Technical Contact Wayne Larson		Title	Phone (206) 382-6569
Business Contact James Brown		Title	Phone

WASTE PRODUCT DESCRIPTION & CHARACTERISTICS

Waste Product Name Chromic acid with cadmium			
Process Generating Waste			
Physical State At 70°F. <input type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Liquid <input type="checkbox"/> Powder	Free Liquids at 70°F. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Volume 100 %	Flash Point <input type="checkbox"/> < 70°F. <input type="checkbox"/> 140°-200°F. <input type="checkbox"/> 70°-99°F. <input type="checkbox"/> > 200°F. <input type="checkbox"/> 100°-139°F. <input checked="" type="checkbox"/> No Flash	Layers <input type="checkbox"/> Multilayered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Homogenous
pH <input checked="" type="checkbox"/> ≤ 2 <input type="checkbox"/> 10.1-12.4 <input type="checkbox"/> > 2-4 <input type="checkbox"/> ≥ 12.5 <input type="checkbox"/> 4.1-10 <input checked="" type="checkbox"/> Exact 1.1	Solids <input type="checkbox"/> By Volume Total % Dissolved % Suspended %	Density or Specific Gravity <input type="checkbox"/> Liquid lbs./gal. <input type="checkbox"/> Solid lbs./ft. ³	Odor <input type="checkbox"/> None <input type="checkbox"/> Strong <input type="checkbox"/> Mild Describe
Color dk. yellow, blk. op.			

METALS		WASTE PRODUCT CHEMICAL COMPOSITION (Account For 100% of Total)	
<input checked="" type="checkbox"/> Total (PPM)	<input type="checkbox"/> EPA Extraction Procedure (mg/L)	Other (Specify):	
Arsenic (As) NT	Mercury (Hg) NT	H ₂ O 99+ %	sodium Dichromate 41 %
Barium (Ba) NT	Nickel (Ni) <0.1	HCl %	%
Cadmium (Cd) 20.1	Selenium (Se) NT	H ₂ SO ₄ <1 %	%
Chromium (Cr) 100,000	Silver (Ag) NT	HNO ₃ <1 %	%
Copper (Cu) 6.7	Zinc (Zn) 11.0	NaOH %	%
Lead (Pb) 1.2	Nondetectable	Phenols %	%
REACTIVES AND OTHER WASTES (PPM)		Chlorides %	%
Amines NT	PCB's NT		
Cyanides NT	HexChrome 100,000		
Sulfides NT	Other		

SHIPPING & HANDLING INFORMATION		HAZARDOUS PROPERTIES	
Proper Shipping Name: Waste acid liquid, n.o.s. (chromium, nitric acid).		U.S. EPA Hazardous Codes D002 D006 D007	
DOT Hazard Class: Corrosive material I.D. #UN1755		Washington State Codes WT01	
Poison <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Inhalation Hazard <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Dangerous When Wet <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		State Designation DW <input type="checkbox"/> EHW <input checked="" type="checkbox"/>	
DOT Shipping Container: Drum <input type="checkbox"/> Volume Bulk <input type="checkbox"/> Volume		Is Waste Product: <input type="checkbox"/> Ignitable <input checked="" type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> None of Above <input type="checkbox"/> Other	
Other <input type="checkbox"/> Type Volume		<input checked="" type="checkbox"/> Subject to Land Disposal Restrictions (If marked, fill out notification sheet)	
Projected: Gals/lbs per <input type="checkbox"/> mo <input type="checkbox"/> yr.		Special Handling Requirements:	
Additional Labels Required:		HWP-A	

GENERATOR CERTIFICATION STATEMENT

I hereby certify that as an authorized representative of the generator named above, all information submitted in this and all the attached documents is true and accurate. Analysis of the waste was conducted in accordance with the approved test methods in 40 CFR 261 on a representative sample as defined in 40CFR261.20. To the best of my knowledge, all known (40CFR261) and suspected hazardous components have been included in this documentation.

Signature Wayne Larson Title Facility Contractor CO. Date 10/13/89

NWES INC. USE ONLY

Reviewed By Michael Wilcox	Chemical Nature <input type="checkbox"/> O <input checked="" type="checkbox"/> I <input type="checkbox"/> O/I	Date Reviewed 10-17-89	Status <input checked="" type="checkbox"/> Approved/Permitted <input type="checkbox"/> Denied <input type="checkbox"/> Pending
SOIC T28T T38T T24T T23T T31T T41T T44T			
GENERATOR			

JOB# 10891

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WAD980738546	Manifest Document No. 06664		2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Alaskan Copper Works 628 South Hanford, Seattle, WA 98124					A. State Manifest Document Number		
4. Generator's Phone (206) 382-6569					B. State Generator's ID		
5. Transporter 1 Company Name Northwest EnviroService, Inc.		6. US EPA ID Number WAD058367152		C. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (206) 622-1090			
9. Designated Facility Name and Site Address Northwest EnviroService, Inc. 1500 Airport Way South Seattle, WA 98134		10. US EPA ID Number WAD058367152		E. State Transporter's ID			
				F. Transporter's Phone			
				G. State Facility's ID			
				H. Facility's Phone (206) 622-1090			
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)					12. Containers	13. Total Quantity	14. Unit Wt/Vol
					No.	Type	Waste No.
a.	X Waste acid liquid, n.o.s. (chromium, nitric acid). Corrosive material, UN1755.				3	DM	50
b.							D002 D006 D007 MT01
c.							
d.							
J. Additional Descriptions for Materials Listed Above a) WPG 21921 - Chronic acid with cadmium - HWP-A					K. Handling Codes for Wastes Listed Above 501C, 720, 7380, 723T, 724T 731T, 741T, 744T		
15. Special Handling Instructions and Additional Information							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name WAYNE L ARSEN					Signature <i>Wayne Arsen</i>		Month Day Year 10 25 89
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name Jeffrey M Hulme					Signature <i>Jeffrey M Hulme</i>		Month Day Year 10 25 89
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name					Signature		Month Day Year
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name Patricia Weaver					Signature <i>Patricia Weaver</i>		Month Day Year 10 25 89

PO# M12207

JOB# 10891

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

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4. Generator's Phone (206) 382-6569						B. State Generator's ID PO# M12207							
5. Transporter 1 Company Name Northwest EnviroService, Inc.				6. US EPA ID Number WAD058367152		C. State Transporter's ID (206) 622-1090							
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone							
9. Designated Facility Name and Site Address Northwest EnviroService, Inc. 1500 Airport Way South Seattle, WA 98134						E. State Transporter's ID							
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						G. State Facility's ID							
						H. Facility's Phone (206) 622-1090							
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b.													
c.													
d.													
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Printed/Typed Name WAYNE L ARSEN						Signature <i>Wayne Larsen</i>						Month Day Year 10 25 89	
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name Jeffrey M Hulme						Signature <i>Jeffrey M Hulme</i>						Month Day Year 10 25 89	
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature						Month Day Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name						Signature						Month Day Year	

NORTHWEST ENVIROSERVICE, INC.

PO 12207

LAND DISPOSAL RESTRICTION NOTIFICATION

Instructions:

1. Fill in applicable Manifest Number.
2. Fill applicable EPA Hazardous Waste Number
3. Highlight applicable treatment standard from table below or restricted California list item.
4. Attach supportive waste analysis data if available.
5. Sign and date form.
6. Retain a completed copy to file with manifest.

MANIFEST NUMBER: 06664RESTRICTED WASTE NOTIFICATION

This notification is provided in accordance with 40 CFR 268.7(a)(1). The above numbered manifest includes the following restricted waste (codes):

The applicable standards for these restricted wastes are highlighted below:

EFFECTIVE - NOVEMBER 8, 1986:

Solvent Treatment Standards
Constituents of F001-F005
Spent Solvent Wastes

Extraction Concentrations
(mg/l)

Wastewater Other

Acetone	0.05	0.59
Benzene	No Standard	
n-Butyl Alcohol	5.00	5.00
Carbon Disulfide	1.05	4.81
Carbon Tetrachloride	0.05	0.96
Chlorobenzene	0.15	0.05
Cresols (cresylic acid)	2.82	0.75
Cyclohexanone	0.125	0.75
1,2-Dichlorobenzene	0.65	0.125
2-Ethoxyethanol	No Standard	
Ethyl Acetate	0.05	0.75
Ethylbenzene	0.05	0.053
Ethyl Ether	0.05	0.75
Isobutanol	5.00	5.00
Methanol	0.25	0.75
Methylene Chloride	0.20	0.96
Methyl Ethyl Ketone	0.05	0.75
Methyl Isobutyl Ketone	0.05	0.33
Nitrobenzene	0.66	0.125
2-Nitropropane	No Standard	
Pyridine	1.12	0.33
Tetrachloroethylene	0.079	0.05
Toluene	1.12	0.33
1,1,1-Trichloroethane	1.05	0.41
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.05	0.96
Trichloroethylene	0.062	0.091
Trichlorofluoromethane	0.05	0.96
Xylene	0.05	0.15

CALIFORNIA LIST - EFFECTIVE JULY 3, 1987:

M 12207

Please mark applicable numbers:

- ☒ (1) Liquid Hazardous Waste having a pH less than or equal to 2.
- ☐ (2) Liquid Hazardous Waste containing PCB at or greater than 50 ppm.
- ☐ (3) Liquid and non-liquid Hazardous Waste that contains halogenated organic compounds (HOC) in total concentration greater than or equal to 1,000 ppm.
- ☐ (4) Liquid Hazardous Waste, including free liquids associated with any solid or sludge containing metals that are greater than or equal to those specified below. All represented in ppm.

☐ Arsenic 500

☐ Cadmium 100

☐ Chromium 500

☐ Lead 500

☐ Mercury 20

☐ Nickel 134

☐ Selenium 100

☐ Thallium 130

☐ Free Cyanide 1,000

A. I certify all information submitted is complete and accurate to the best of my knowledge.

WAYNE LARSEN

Wayne Larsen

10/25/89

Printed/Typed Name

Signature

Date

B. If you have treated the waste in compliance with the applicable standards specified in 40 CFR 268 Subpart D, sign the following certification statement.

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004 (d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

Printed/Typed Name

Signature

Date

C. Restricted waste subject to variance. List the specific variance:

I certify all information submitted is complete and accurate to the best of my knowledge.

Printed/Typed Name

Signature

Date



REQUESTED BY <i>W. Soren</i>	DATE <i>9/19/89</i>	APPROVED BY <i>Brown</i>	DATE <i>9/19/89</i>
PURPOSE OR USE		TO BE FILLED IN BY PURCHASING DEPT.	
DELIVERY NEEDED BY		P.O. NUMBER <i>M 11716</i>	
SHIP TO ADDRESS <i>628 So Stanford</i>		VENDOR	TELEPHONE NO. <i>622-1090</i>
SUGGESTED VENDOR <i>Northwest Enviro Services</i>		DELIVERY PROMISED	SHIP VIA <i>Wagon</i>

AC 9043/R 12-85



REQUESTED BY <i>W. Lanson</i>	DATE <i>10/23/89</i>	APPROVED BY <i>[Signature]</i>	DATE <i>10/27/89</i>
PURPOSE OR USE		TO BE FILLED IN BY PURCHASING DEPT.	
DELIVERY NEEDED BY		P.O. NUMBER <i>M 12207</i>	
SHIP TO ADDRESS <i>628</i>		VENDOR	
SUGGESTED VENDOR <i>Northwest Enviro</i>		CONTACT	TELEPHONE NO.
AC 9043/R 12-85		DELIVERY PROMISED	SHIP VIA